INDEX

BALESCU, R., BESSENRODT, H., SHUKLA, P. K. and SPATSCHEK, K. H. Instability and saturation of drift-convective modes in an inhomogeneous plasma, 163

BALESCU, R. *See* WEYSSOW, B. and BALESCU, R.

BERTRAM, W. K. The effect of a steady azimuthal field on rotating magnetic field current drive, 423

BESSENRODT, H. *See* BALESCU, R., BESSENRODT, H., SHUKLA, P. K. and SPATSCHEK, K. H.

BHARUTHRAM, R. *See* SHUKLA, P. K. and BHARUTHRAM, R.

BRUNO, R. *See* SHAH, H. A. and BRUNO, R.

CAUBLE, R. and ROZMUS, W. Transport properties of the two-component strongly coupled plasma, 405

CHIUDERI, C. *See* TORRICELLI-CIAMPONI, G., CIAMPOLINI, V. and CHIUDERI, C.

CIAMPOLINI, V. *See* TORRICELLI-CIAMPONI, G., CIAMPOLINI, V. and CHIUDERI, C.

D'ANGELO, N. *See* MERLINO, R. L. and D'ANGELO, N.

DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L. Turbulent relaxation of a confined magnetofluid to a force-free state, 299

DAS, K. P. *See* GHOSH, B. and DAS, K. P.

DAVIDSON, R. C. and UHM, H. S. Local analysis of extraordinary mode stability properties for relativistic non-neutral electron flow in a planar diode, 63

DAVIDSON, R. C. *See* DAVIES, J. A., DAVIDSON, R. C. and JOHNSTON, G. L.

DAVIES, J. A., DAVIDSON, R. C. and JOHNSTON, G. L. Compton and Raman free electron laser stability properties for a warm electron beam propagating through a helical magnetic wiggler, 255

DOOLEN, G. D. *See* DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L.

FESTEAU-BARRIOZ, M. C., SAWLEY, M. L. and VÁCLAVÍK, J. Single-particle motion under the influence of the perpendicular ponderomotive force, 497

FRYCZ, P. *See* INFELD, E. and FRYCZ, P.

GARY, S. P. and OMIDI, N. The ion-ion acoustic instability, 45

GHOSH, B. and DAS, K. P. Nonlinear evolution of a wave packet propagating along a hot magnetoplasma column, 107

HITCHON, W. N. G. and MYNICK, H. E. Ripple transport in 'transport optimized' stellarators, 383

HU, W. R. A model of an isolated magnetic flux tube in the stratified atmosphere, 323

HUGRASS, W. N. and TURLEY, M. The orbits of electrons and ions in the fields of the rotamak, 1

IIZUKA, S., MINAMITANI, Y. and TANACA, H. Particle and energy transport due to magnetic field-line reconnection in a tokamak, 335

INFELD, E. and FRYCZ, P. Self-focusing of nonlinear ion-acoustic waves and solitons in magnetized plasmas. Part 2. Numerical simulations, two-soliton collisions, 97

JOHNSTON, G. L. *See* DAVIES, J. A., DAVIDSON, R. C. and JOHNSTON, G. L.

JOVANOVÍC, D., PÉCSELI, H. L., RASMUSSEN, J. J. and THOMSEN, K. Modified convective cells in plasmas, 81

MAJUMDAR, D. Spectrum cascade processes and nonlinear stability in interchange mode turbulence, 247

MCKENZIE, J. F. *See* WEBB, G. M., ZANK, G. P. and MCKENZIE, J. F.

MCKENZIE, J. F. *See* ZANK, G. P. and MCKENZIE, J. F.

MELROSE, D. B. The Zakharov equations: a derivation using kinetic theory, 241

MERLINO, R. L. and D'ANGELO, N. The interaction of a conducting object with a supersonic plasma flow: ion deflection near a negatively charged obstacle, 185

MIKHAILOVSKII, A. B. and ONISHCHENKO, O. G. Drift instabilities of a relativistic plasma. Part 1. Kinetic description of drift effects in a relativistic plasma, 15

MIKHAILOVSKII, A. B. and ONISHCHENKO, O. G. Drift instabilities of a relativistic plasma. Part 2. Kinetic theory of low-frequency drift instabilities of a relativistic finite-pressure plasma, 29

MINAMITANI, Y. *See* IIZUKA, S., MINAMITANI, Y. and TANACA, H.

MONTGOMERY, D. *See* DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L.

MYNICK, H. E. *See* HITCHON, W. N. G. and MYNICK, H. E.

NEJOH, Y. The effect of the ion temperature on the ion acoustic solitary waves in a collisionless relativistic plasma, 487

OKADA, T. and SCHMIDT, W. Two-stream and filamentation instabilities for a light ion beam–plasma system, 373

OMIDI, N. *See* GARY, S. P. and OMIDI, N.

ONISHCHENKO, O. G. *See* MIKHAILOVSKII, A. B. and ONISHCHENKO, O. G.

PÉCSELI, H. L. *See* JOVANOVIĆ, D., PÉCSELI, H. L., RASMUSSEN, J. J. and THOMSEN, K.

RASMUSSEN, J. J. *See* JOVANOVIĆ, D., PÉCSELI, H. L., RASMUSSEN, J. J. and THOMSEN, K.

ROBINSON, P. A. Thermal effects on parallel-propagating electron cyclotron waves, 149

ROBINSON, P. A. Dispersion of electron Bernstein waves including weakly relativistic and electromagnetic effects. Part 1. Ordinary modes, 435

ROBINSON, P. A. Dispersion of electron Bernstein waves including weakly relativistic and electromagnetic effects. Part 2. Extraordinary modes, 449

ROZMUS, W. *See* CAUBLE, R. and ROZMUS, W.

SAWLEY, M. L. *See* FESTEAU-BARRIOZ, M. C., SAWLEY, M. L. and VÁCLAVÍK, J.

SAZHIN, S. S. An approximate theory of electromagnetic wave propagation in a weakly relativistic plasma, 209

SAZHIN, S. S. Almost perpendicular electromagnetic wave transformation in a weakly relativistic inhomogeneous plasma, 231

SCHMIDT, W. *See* OKADA, T. and SCHMIDT, W.

SHAH, H. A. and BRUNO, R. Oblique propagation of nonlinear magnetosonic waves, 143

SHUKLA, P. K. *See* BALESCU, R., BESSENRODT, H., SHUKLA, P. K. and SPATSCHEK, K. H.

SHUKLA, P. K. and BHARUTHRAM, R. Convective cell and Alfvén vortices in an inhomogeneous rotating cold magnetoplasma, 199

SPATSCHEK, K. H. *See* BALESCU, R., BESSENRODT, H., SHUKLA, P. K. and SPATSCHEK, K. H.

TAGARE, S. G. Corrigendum, 322

TANAKA, H. *See* IIZUKA, S., MINAMITANI, Y. and TANAKA, H.

THOMSEN, K. *See* JOVANOVÍC, D., PÉCSELI, H. L., RASMUSSEN, J. J. and THOMSEN, K.

TORRICELLI-CIAMPONI, G., CIAMPOLINI, V. and CHIUDERI, C. MHD instabilities of a cylindrical plasma with a realistic energy equation, 175

TURLEY, M. *See* HUGRASS, W. N. and TURLEY, M.

TURNER, L. *See* DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L.

UHM, H. S. *See* DAVIDSON, R. C. and UHM, H. S.

VÁCLAVÍK, J. *See* FESTEAU-BARRIOZ, M. C., SAWLEY, M. L. and VÁCLAVÍK, J.

WEBB, G. M., ZANK, G. P. and MCKENZIE, J. F. Relativistic oblique magnetohydrodynamic shocks, 117

WEYSSOW, B. and BALESCU, R. A manifestly gauge-invariant Hamiltonian theory of the oscillation-centre dynamics, 467

ZANK, G. P. *See* WEBB, G. M., ZANK, G. P. and MCKENZIE, J. F.

ZANK, G. P. and MCKENZIE, J. F. Short-wavelength compressive instabilities in cosmic ray shocks and heat conduction flows, 347

ZANK, G. P. and MCKENZIE, J. F. The interaction of long-wavelength compressive waves with a cosmic ray shock, 363